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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/735,442
		Filing Date	December 12, 2003
		First Named Inventor	Cheng et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	2
		Attorney Docket Number	CL2027 US NA



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

Charles L. Steele

Date Considered

3/27/06

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

Complete If Known	
Application Number	10/735,442
Filing Date	December 12, 2003
First Named Inventor	Cheng et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	CL2027 US NA

MAR 22 2004

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CJJ		Armstrong et al., Eubacteria Show Their True Colors: Genetics of Carotenoid Pigment Biosynthesis from Microbes to Plants, J. Bact., Vol. 176, pp. 4795-4802, 1994	
		Armstrong et al., Genetics of Eubacterial Carotenoid Biosynthesis: A Colorful Tale, Annu. Rev. Microbiol., Vol. 51, pp. 629-659, 1997	
		Sandmann, G., Genetic manipulation of carotenoids biosynthesis: strategies, problems and achievements., Trends in Plant Science, 6: pp. 14-17, 2001	
		Albrecht et al., Metabolic engineering of the terpenoid biosynthetic pathway of Escherichia coli for production of the carotenoids β-carotene and zeaxanthin, Biotechnol. Lett., Vol. 21, 791-795, 1999	
		Kim et al., Metabolic Engineering of the Nonmevalonate Isopentenyl Diphosphate Synthesis Pathway in Escherichia coli Enhances Lycopene Production, Biotech. Bioeng., 72: 408-415, 2001	
		Mathews et al., Metabolic engineering of carotenoid accumulation in Escherichia coli by modulation of the isoprenoid precursor pool with expression of deoxxyulose phosphate synthase, Appl. Microbiol. Biotechnol., Vol. 53, pp. 396-400, 2000	
		Harker et al., Expression of prokaryotic 1-deoxy-D-xylulose-5-phosphatases in Escherichia coli increases carotenoid and ubiquinone biosynthesis, FEBS Letter., Vol. 448, pp: 115-119, 1999	
		Kajiwara et al., Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli, Biochem. J., Vol. 423: pp. 421-426, 1997	
		Wang et al., Engineered Isoprenoid Pathway Enhances Astaxanthin Production in Escherichia coli, Biotechnol. Prog., Vol. 62: pp. 235-241, 1999	

Examiner Signature

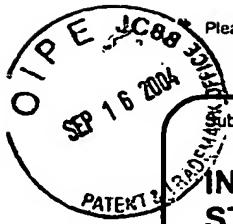
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Substitute for form 1449A/PTQ

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 1

Complete if Known	
Application Number	10/735,442
Filing Date	DECEMBER 12, 2003
First Named Inventor	CHENG ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2027 US NA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

**Examiner
Signature**

Clara K. Fonda

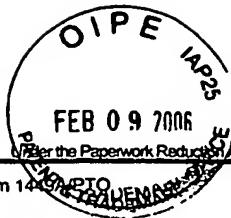
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Complete if Known

Application Number	10/735442
Filing Date	December 12, 2003
First Named Inventor	QIONG CHENG
Group Art Unit	1632
Examiner Name	UNASSIGNED
Attorney Docket Number	CL2027USNA

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

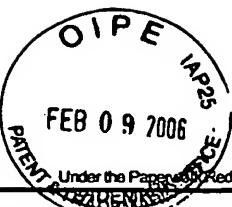
Christopher L. Ford

Date
Considered

3/27/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Application Number	10/735442
Filing Date	December 12, 2003
First Named Inventor	QIONG CHENG
Group Art Unit	1632
Examiner Name	UNASSIGNED
Attorney Docket Number	CL2027USNA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CJJ	1	LUAN TAO ET AL., ISOLATION OF CHROMOSOMAL MUTATIONS THAT AFFECT CAROTENOID PRODUCTION IN ESCHERICHIA COLI: MUTATIONS ALTER COPY NUMBER OF COLE1-TYPE PLASMIDS, FEMS MICROBIOLOGY LETTERS, VOL. 243:227-233, 2005, XP004724622	<input type="checkbox"/>
	2	MANUELA ALBRECHT ET AL., METABOLIC ENGINEERING OF THE TERPENOID BIOSYNTHETIC PATHWAY OF ESCHERICHIA COLI FOR PRODUCTION OF THE CAROTENOIDS BETA-CAROTENE AND ZEAXANTHIN, BIOTECHNOLOGY LETTERS, VOL. 21:791-795, 1999, XP009007299	<input type="checkbox"/>
	3	SUSUMU KAJIWARA ET AL., EXPRESSION OF AN EXOGENOUS ISOPENTENYL DIPHOSPHATE ISOMERASE GENE ENHANCES ISOPRENOID BIOSYNTHESIS IN ESCHERICHIA COLI, BIOCHEM. J., VOL. 324:421-426, 1997, XP002357865	<input type="checkbox"/>
	4	GERHARD SANDMANN, CAROTENOID BIOSYNTHESIS AND BIOTECHNOLOGICAL APPLICATION, ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, VOL. 385(1):4-12, 2001, XP002357867	<input type="checkbox"/>
	5	WILLIAM R. FARMER ET AL., IMPROVING LYCOPENE PRODUCTION IN ESCHERICHIA COLI BY ENGINEERING METABOLIC CONTROL, NATURE BIOTECHNOLOGY, VOL. 18:533-537, 2000, XP002269479	<input type="checkbox"/>
	6	XIAOLAN ZHANG ET AL., OLIGORIBONUCLEASE IS ENCODED BY A HIGHLY CONSERVED GENE IN THE 3'-5' EXONUCLEASE SUPERFAMILY, JOURNAL OF BACTERIOLOGY, VOL. 180(10):2779-2781, 1998, XP002357866	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	<i>Christopher T. Jones</i>	Date Considered	3/27/06
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